



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
MASAHIKO KUBOTA ET AL.) : Examiner: Unassigned
Application No.: 10/614,029) : Group Art Unit: Unassigned
Filed: July 8, 2003) :
For: LIQUID DISCHARGE HEAD AND)
METHOD FOR MANUFACTURING) :
RECORDING HEAD) October 8, 2003

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed Form PTO-1449. A copy of each of the listed documents is enclosed.

The Examiner's attention is also directed to the following U.S. Application, a copy of which is enclosed:

<u>Application Number</u>	<u>Inventor(s)</u>	<u>Filing Date</u>	<u>Group Art Unit</u>	<u>Status</u>
10/613,992	Masahiko Kubota Wataru Hiyama	July 8, 2003	Unassigned	Pending

Japanese Patent Application Laid-Open Nos. 54-161935, 61-185455 and 61-249768 are discussed at page 3 of the specification and may be relevant for the reasons discussed therein.

Japanese Patent Application Laid-Open No. 4-10941 is discussed at pages 3 and 16 of the specification and may be relevant for the reasons discussed therein.

U.S. Patent Nos. 4,882,595 and 6,158,843 are discussed at page 6 of the specification and may be relevant for the reasons discussed therein.

Japanese Patent Application Laid-Open No. 4-10940 is discussed at page 16 of the specification and may be relevant for the reasons discussed therein.

U.S. Patent Nos. 5,218,376 and 6,155,673 are U.S. counterparts to Japanese Patent Application Laid-Open Nos. 4-10940 and 4-10941.

Abstracts for Japanese Patent Application Laid-Open Nos. 54-161935, 61-185455, 61-249768, 4-10940 and 4-10941, obtained from a commercial database, are enclosed for the Examiner's convenience.

FORMAL MATTERS

In accordance with 37 C.F.R. §1.97(b), since this Information Disclosure Statement is being filed within three months of the filing date of the subject application, neither a

statement under 37 C.F.R. §1.97(e) nor payment of a fee is required for consideration of this Information Disclosure Statement.

CONCLUSION

It is respectfully requested that the above information be considered by the Examiner and that an initialed copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

Applicants' undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,



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FORM P-1A TRADEMARK (if applicable)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

LIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

October 8, 2003

ATTY DOCKET NO.
03500.017373

APPLICATION NO.
10/614,029

APPLICANT
MASAHIKO KUBOTA ET AL.

FILING DATE
July 8, 2003

GROUP
Unassigned

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,882,595	11/1989	Trueba et al.			
	5,218,376	06/1993	Asai			
	6,155,673	12/2000	Nakajima et al.			
	6,158,843	12/2000	Murthy et al.			
	6,426,481 B1	07/2002	Koide et al.			
	6,472,125 B1	10/2002	Koide et al.			
	2003/0011655 A1	01/2003	Miyagawa et al.			
	2003/0016270 A1	01/2003	Kubota et al.			
	2003/0030702 A1	02/2003	Komuro et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
	JP 54-161935	12/1979	Japan			Abstract
	JP 61-185455	08/1986	Japan			Abstract
	JP 61-249768	11/1986	Japan			Abstract
	JP 4-10940	01/1992	Japan			Abstract*
	JP 4-10941	01/1992	Japan			Abstract*

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

*Note: U.S. counterpart patents also submitted (see text of IDS).

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicants.

Sheet 1 of 1

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